

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Currently Amended): A combustion catalyst for removing organic compound(s), which comprises a first catalyst comprising alumina containing at least one of the elements of the platinum group, and a second catalyst comprising a mixture of zeolite with a metal oxide ~~containing~~, wherein the metal oxide is loaded with at least one of the elements of the platinum group;

the alumina of the first catalyst has a pore size distribution such that where "a" represents a pore radius in Å at the maximum of the pore radius distribution curve, the accumulated pore volume of pores having radii in the range of (a - 25) Å to (a + 25) Å is at least 65% of the total volume of all the pores, said alumina containing less than 1% by weight of rare earth elements: and

said first catalyst and said second catalyst being arranged in a manner such that organic compound(s) to be removed is/are contacted first with the first catalyst and then with the second catalyst.

Claim 2 (Previously Amended): The combustion catalyst according to claim 1, wherein the ratio of the first catalyst to the second catalyst is in the range from 1:20 to 2:1 by weight.

or Claim 3 (Currently Amended): The combustion catalyst according to claim 1, wherein the ratio of zeolite to the metal oxide ~~containing~~ loaded with at least one of the elements of the platinum group in the mixture of the second catalyst is in the range from 20:1 to 1:20 by weight.

OK Claim 4 (Previously Amended): The combustion catalyst according to claim 1, wherein the zeolite is ion-exchanged with at least one ionic species selected from the group consisting of those of the groups IA and IIA.

B4 Claim 5 (Previously Amended): The combustion catalyst according to claim 1, wherein the metal oxide in the second catalyst is alumina having pore size distribution such that, where "a" represents a pore radius in Å at the maximum of the pore radius distribution curve, the accumulated pore volume of pores having radii in the range of (a - 25) Å to (a + 25) Å is at least 65% of the total volume of all the pores, said alumina containing less than 1% by weight of rare earth elements.

Claim 6 (Canceled).

Claim 7 (Previously Amended): A process for removing organic compound(s) by catalytic combustion comprising the step of contacting organic compound(s) with the combustion catalyst as claimed in claim 1, so that the organic compound(s) is/are contacted first with the first catalyst of the combustion catalyst and then with the second catalyst of the combustion catalyst.

11 Claim 8 (Previously Amended): The process according to claim 7, wherein the ratio of the first catalyst to the second catalyst is in the range from 1:20 to 2:1 by weight.

1.2 OK Claim 9 (Currently Amended): The process according to claim 7, wherein the ratio of the zeolite to the metal oxide ~~containing~~ loaded with at least one of the elements of the

platinum group in the mixture of the second catalyst is in the range from 20:1 to 1:20 by weight.

✓ Claim <sup>13</sup>~~10~~ (Previously Amended): The process according to claim <sup>10</sup>~~7~~, wherein the zeolite is ion-exchanged with at least one ionic species selected from the group consisting of those of groups IA and IIA.

B4 ✓ Claim <sup>14</sup>~~11~~ (Previously Amended): The process according to claim <sup>10</sup>~~7~~, wherein the metal oxide in the second catalyst is alumina having a pore size distribution such that, wherein "a" represents a pore radius in Å at the maximum of the pore radius distribution curve, the accumulated pore volume of pores having radii in the range of (a - 25) Å to (a + 25) Å is at least 65% of the total volume of all the pores, said alumina containing less than 1% by weight of rare earth elements.

Claim 12 (Canceled).

✓ Claim <sup>15</sup>~~13~~ (Previously Amended): The process according to claim <sup>10</sup>~~7~~, wherein the organic compound(s) comprise(s) at least one halogen-containing organic compound.

✓ Claim <sup>14</sup>~~14~~ (Previously Amended): The process according to claim <sup>10</sup>~~7~~, wherein the organic compound(s) show(s) a vapor pressure of 0.001 kPa or higher at a temperature of 293.15°K.

✓ Claim <sup>17</sup>~~15~~ (Previously Amended): The process according to claim <sup>10</sup>~~7~~, wherein a gas containing the organic compound(s) is/are contacted with the combustion catalyst, the

organic compound(s) being present in a concentration of not greater than 1% by volume in said gas.

*or* Claim ~~16~~<sup>180</sup> (Previously Amended): The process according to claim ~~7~~<sup>10</sup>, wherein the organic compound(s) comprise(s) at least one C<sub>2</sub> hydrocarbon.

*or* Claim ~~17~~<sup>149</sup> (Previously Amended): The process according to claim ~~7~~<sup>10</sup>, wherein the organic compound(s) comprise(s) at least one chlorinated C<sub>2</sub> hydrocarbon.

*or* Claim ~~18~~<sup>6</sup> (Previously Added): The combustion catalyst according to Claim 1, wherein the zeolite has an SiO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> molar ratio of 10 or greater.

*or* Claim ~~19~~<sup>20</sup> (Previously Added): The process according to claim ~~7~~<sup>10</sup>, wherein the zeolite has an SiO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> molar ratio of 10 or greater.

*or* Claim ~~20~~<sup>17</sup> (Previously Added): The combustion catalyst according to claim 1, wherein the zeolite is ion-exchanged with calcium ion.

*or* Claim ~~21~~<sup>110</sup> (Previously Added): The process according to claim ~~7~~<sup>10</sup>, wherein the zeolite is ion-exchanged with calcium ion.

*or* Claim ~~22~~<sup>8</sup> (Previously Added): The combustion catalyst according to claim 1, wherein the alumina and the metal oxide contain platinum.

or Claim ~~23~~<sup>22</sup> (Previously Added): The process according to claim ~~7~~<sup>10</sup>, wherein the alumina and the metal oxide contain platinum.

B4 or Claim ~~24~~<sup>21</sup> (Currently Amended): The combustion catalyst according to claim 1, wherein the organic compound(s) is/are hydrocarbon(s) which ~~may be~~ is/are unsubstituted or substituted by at least one of halogen and oxygen.

or Claim ~~25~~<sup>23</sup> (Currently Amended): The process according to claim ~~7~~<sup>10</sup>, wherein the organic compound(s) is/are hydrocarbon(s) which ~~may be~~ is/are unsubstituted or substituted by at least one of halogen and oxygen.

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